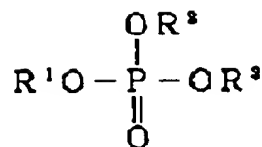


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TITLE : NONAQUEOUS ELECTROLYTE AND  
 NONAQUEOUS ELECTROLYTIC  
 SECONDARY BATTERY

ABSTRACT : PROBLEM TO BE SOLVED: To provide a nonaqueous electrolytic secondary battery having a high degree of incombustibility and safety, having the capability of generating high voltage and further having a high charging and discharging function by composting a nonaqueous electrolyte of a nonaqueous solvent containing a phosphoric ester compound having a group with an ether linkage and an electrolyte.

SOLUTION: The nonaqueous electrolyte of a secondary battery is composed of a nonaqueous solvent containing the phosphoric ester compound expressed by the formula and an electrolyte. In the formula, R<1> , R<2> and R<3> may be identical to or different from each other, and are an alkyl group having carbons between 1 and 4, or a group having the ether linkage expressed by -R<4>-O-R<5> . Also, R<4> and R<5> stand for a hydrocarbon group having carbons between 1 and 10. Furthermore, lithium salt such as LiPF<sub>6</sub> , LiBF<sub>4</sub> , LiClO<sub>4</sub> , LiAsF<sub>6</sub> , and LiCF<sub>3</sub> SO<sub>3</sub> is mentioned, for example, as an electrolyte dissolved in the nonaqueous electrolyte. Also, the electrolyte is preferably contained in the nonaqueous electrolyte at a level of concentration between 0.5 and 2mol/L. The nonaqueous electrolyte may be used for a cylindrical nonaqueous electrolytic secondary battery or the like